

**TRANSPARENT SUBSTRATE WITH AN ANTIREFLECTION,
LOW-EMISSIVITY OR SOLAR-PROTECTION COATING**

ABSTRACT

5 A transparent substrate and methods of making a transparent substrate
having, on at least one of its faces, an antireflection coating made of a multilayer stack of
alternating thin layers of high and low refractive indices. Preferably, the thin layers are
based on a dielectric material. At least one of the thin high-index layers comprises titanium
oxide which is modified so as to reduce its refractive index to a value of at most 2.40,
10 preferably to a value of at most 2.35.